

RAW SEQUENCE LISTING PATENT APPLICATION US/10/079,035

DATE: 03/13/2002 TIME: 23:49:54

INPUT SET: S36796.raw

#2

This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING
2	(=)	
3	(1) Gene	ral Information:
4 5 6 7	(i) AP	PLICANT: Ryals, John Delaney, Terry Friedrich, Leslie
8		Weymann, Kristianna
9		Lawton, Kay
10		Ellis, Daniel
11		Uknes, Scott
12		Jesse, Taco
13		Vos, Pieter
14		,
15	(ii) TI	TLE OF INVENTION: GENE ENCODING A PROTEIN INVOLVED IN THE
16	SIGNAL T	RANSDUCTION CASCADE LEADING TO SYSTEMIC ACQUIRED RESISTANCE
17	IN PLANT	s .
18		
19	(iii) NU	MBER OF SEQUENCES: 17
20		
21	, ,	RRESPONDENCE ADDRESS:
22	•	A) ADDRESSEE: Novartis Corporation
23		B) STREET: 520 White Plains Road, P.O. Box 2005
24		C) CITY: Tarrytown
25	•	D) STATE: New York
26		E) COUNTRY: USA
27 28	(.	F) ZIP: 10591
28 29	(**) CO	MPUTER READABLE FORM:
30	• •	A) MEDIUM TYPE: Floppy disk
31		B) COMPUTER: IBM PC compatible
32		C) OPERATING SYSTEM: PC-DOS/MS-DOS
33	•	D) SOFTWARE: PatentIn Release #1.0, Version #1.30
34	•	, 2011
35	(vi) CU	RRENT APPLICATION DATA:
36		A) APPLICATION NUMBER: 10/079,035
37	(1	B) FILING DATE:
38	(C) CLASSIFICATION:
39		
40	(vii) PR	IOR APPLICATION DATA:
41		
42	()	A) APPLICATION NUMBER: 09/577,799
43	(1	B) FILING DATE:
44		
45		A) APPLICATION NUMBER: 08/880,179
46	(1	B) FILING DATE:

47

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48 49	(viii) ATTORNEY/AGENT INFORMATION:								
50	(A) NAME: Meigs, J. Timothy								
51	(B) REGISTRATION NUMBER: 38,241								
52	(C) REFERENCE/DOCKET NUMBER: CGC 1909								
53									
54	(ix) TELECOMMUNICATION INFORMATION:								
55	(A) TELEPHONE: (919) 541-8587								
56	(B) TELEFAX: (919) 541-8689								
57									
58									
59	(2) INFORMATION FOR SEQ ID NO:1:								
60									
61	(i) SEQUENCE CHARACTERISTICS:								
62	(A) LENGTH: 9919 base pairs								
63	(B) TYPE: nucleic acid								
64	(C) STRANDEDNESS: single								
65	(D) TOPOLOGY: linear								
66 67	(ii) MOLECULE TYPE: DNA (genomic)								
68	(II) MODECODE TIPE. DNA (GENOMIC)								
69	(iii) HYPOTHETICAL: NO								
70	(III) milomatom. No								
71	(iv) ANTI-SENSE: NO								
72	(= ()								
73									
74									
75									
76	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:								
77		60							
78	TGATCATGAA TTGCGTGTAG GGTTGTGTTT TAAAGATAGG GATGAGCTGA AGAAGGCGGT	80							
79	GGACTGGTGT TCCATTAGAG GGCAGCAAAA GTGTGTAGTA CAAGAGATTG AGAAGGACGA	120							
80	GGACTGGTGT TCCATTAGAG GGCAGCAAAA GIGIGIAGIA CAAGAGAIIG AGAAGGACCA								
81 82	GTATACGTTT AAATGCATCA GATGGAAATG CAATTGGTCG CGTCGGGCAG ATTGAATAGA	180							
83	GIAIACGIII AAAIGCAICA GAIGGAAAIG CAMIIGGIGG GGIGGGGGGG								
84	AGAACATGGA CTTGTTAAGA TAACTAAGTG TAGTTGGTCC ACATACTTGT TGTTCTATTA	240							
85	ACIDICATION CITCINICAL INCOME.								
86	AGCCGGAAAA CTTCAACTTG TAATTTGCAG CAGAAGAGAT TGAGTGTCTG ATCAGGGTAC	300							
87									
88	AACCCACTCT AACAGCAGAG TTGAAAAGTT TGGTGACATG CTTAAAACTT CAAAGCTGCG	360							
89									
90	GGCAGCAGAA CAGGAAGTAA TCAAAGATCA GAGTTTCAGA GTATTGCCTA AACTAATTGG	420							
91									
92	CTGCATTTCA CTCATCTAAT GGGCTACTTG TGGACTGCAA TATGAGCTTT TCCCTAATCC	480							
93		E40							
94	TGAATTTGCA TCCTTCGGTG GCGCGTTTTG GGCGTTTCCA CAGTCCATTG AAGGGTTTCA	540							
95	TO STREET OF COMMON TO MACHINE AND TO COMMON AND COCCONNET ACCOMMON ACCO	600							
96	ACACTGTAGA CCTCTGATCA TAGTGGATTC AAAAGACTTG AACGGCAAGT ACCCTATGAA	500							
97	ATTGATGATT TCCTCAGGAC TCGACGCTGA TGATTGCTTT TTCCCGCTTG CCTTTCCGCT	660							
98 99	ATTOMICATI ICCICAGGAC ICGACGCIGA IGATIGCTII IICCCGCIIG COTTICOGGI	•							
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INPUT SET: S36796.raw TACCAAAGAA GTGTCCACTG ATAGTTGGCG TTGGTTTCTC ACTAATATCA GAGAGAAGGT AACACAAAGG AAAGACGTTT GCCTCGTCTC CAGTCCTCAC CCGGACATAG TTGCTGTTAT TAACGAACCC GGATCACTGT GGCAAGAACC TTGGGTCTAT CACAGGTTCT GTCTGGATTG TTTTTGCTTA CAATTCCATG ATATTTTTGG AGACTACAAC CTGGTGAGCC TTGTGAAGCA GGCTGGATCC ACAAGTCAGA AGGAAGAATT TGATTCCTAC ATAAAGGACA TCAAAAAGAA GGACTCAGAA GCTCGGAAAT GGTTAGCCCA ATTCCCTCAA AATCAGTGGG CTCTGGCTCA TGACCAGTGG TCGGAGATAT GGAGTCATGA CGATAGAAAC AGAAGATTTG AGGGCAATTT GTGAAAGCTT TCAGTCTCTT GGTCTATCAG TGACAGCGAA CGCACCTGCA CATGTGGGAA GTTTCAATCG AAGAAGTTTC CATGTATGCA CCCAGAAATG GTGCAAAGGA TTGTTAACTT GTGTCATTCA CAAATGTTGG ATGCAATGGA GCTGACTAGG AGAATGCACC TTACACGCCC ACTCAGTGTT CTCTTATCTC TAGACCTGAA ACTAACTTGC TGTGTAATTC GAGTTACAAA AGGTTAAAGG AAGAATTAGG AAGATACATA TAACATGAAT GTTGCCAGAA GTTCAGGGAA CTTGAATATT CTTTTGGTTC TTGGTGGAAA ATATCCAACA GATGAACAAT TTGACATTAT TTCACACTTT GATTCTAGCA ACTCTGTAAC ACCATCATGG GTTATTGTTG ATGTACATAA ATATATAT CAAATCTGTA TACCATTGGT TCAAATTGTT ACAACATTTG TTTGAAGCAC ACCTGCAGCA ATAATACACA GGATGCAAAA CGAAGAGCGA AACTATATGA CGCCAACGAT AGACATAAAC AGTTACAGTC ATCATGAAAA CAGAATTATA TGGTACAGCA AAAATTACAC TAAGAGGCAA GAGTCTCACC GACGACGATG AGAGAGTTTA CGGTTAGACC TCTTTCCACC GGTTGATTTC GATGTGGAAG AAGTCGAATC TGTCAGGGAC GAATTTCCTA ATTCCAAATT GTCCTCACTA AAGGCCTTCT TTAGTGTCTC TTGTATTTCC ATGTACCTTT GCTTCTTTTG TAGTCGTTTC TCAGCAGTGT CGTCTTCTCC GCAAGCCAGT TGAGTCAAGT CCTCACAGTT CATAATCTGG TCGAGCACTG CCGAACAGCG CGGGAAGAAT CGTTTCCCGA GTTCCACTGA TGATAAAAAA AACAAGGTCA GACAGCAAGT AACAAAACCA TGTTTAAAGA TCATTTAGTT TTGTTTTTTG TGATAAGGAG TCCGATGAAG TGGGTGAGAA TCCATACCGG TTTTAGAAAG CGCTTTTAGT CTACTTTGAT GCTCTTCTAG GATTCTGAAA GGTGCTATCT TTACACCCGG TGATGTTCTC TTCGTACCAG TGAGACGGTC AGGCTCGAGG CTAGTCACTA TGAACTCACA TGTTCCCTTC ATTTCGGCGA TCTCCATTGC AGCTTGTGCT TCCGTTGGAA AAAGACGTTG

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					4	111 01 521. 550//	J., W.,
153 154	AGCAAGTGCA	ACTAAACAGT	GGACGACACA	AAGAATAGTT	ATCATTAGTT	CACTCAGTTT	2340
155							
156 157	CCTAATAGAG	AGGACATAAA	TTTAATTCAA	ACATATAAGA	AATAAGACTT	GATAGATACC	2400
158 159	TCTATTTTCA	AGATCGAGCA	GCGTCATCTT	CAATTCATCG	GCCGCCACTG	CAAAAGAGGG	2460
160	AGGAACATCT	CTAGGAATTT	GTTCTCGTTT	GTCTTCTTGC	TCTAGTATTT	CTACACATAG	2520
161 162	TCGGCCTTTG	AGAGAATGCT	TGCATTGCTC	CGGGATATTA	TTACATTCAA	CCGCCATAGT	2580
163 164	GGCTTGTTTT	GCGATCATGA	GTGCGGTTCT	ACCTTCCAAA	GTTGCTTCTG	ATGCACTTGC	2640
165 166	ACCTTTTTCC	AATAGAGATA	GTATCAATTG	TGGCTCCTTC	CGCATCGCAG	CAACATGAAG	2700
167 168	CACCGTATAT	CCCCTCGGAT	TCCTATGGTT	GACATCGGCA	AGATCAAGTT	TTAAAAGATC	2760
169 170	тсттсссстс	ጥጥሮልሮልጥጥር ሮ	ААТАТССААС	АСССАААТСА	AGAGCACACG	CATCATCTAG	2820
171 172						AGTCAAGTGC	2880
173							
174 175	CTTATGTACA	TTCGAGACAT	GTTTCTTTAC	TTTAGGTACC	TCCAAACCAA	GCTCTTTACG	2940
176 177	TCTATCAATT	ATCTCTTTAA	CAAGCTCTTC	CGGCAATGAC	TTTTCAAGAC	TAACCATATC	3000
178 179	TACATTAGAC	TTGACAATAA	TCTCTTTACA	TCTATCCAAT	AGCTTCATAC	AAGCTTTACC	3060
180 181	ACATATATTA	GCAAGCTTGA	GTATAACCAA	TGTGTCCTCT	ATAACAACTT	TGTCTACAAC	3120
182 183	GTCCAATAAG	TGCCTCTGAA	ATACAAATAC	AAGTACTCAA	GTAAGAACAT	ATTCATGAAT	3180
184	GTGTAACCAT	AGCTTAATGC	AGATGGTGTT	TTACCTGATA	GAGAGTAATT	AATTCAGGGA	3240
185 186	TCTTGAAGAT	GAAAGCCAAA	TAGAGAACCT	CCAACATGAA	ATCCACCGCC	GGCCGGCAAG	3300
187 188	CCACGTGGCA	GCAATTCTCG	TCTGCGCATT	CAGAAACTCC	TTTAGGCGGC	GGTCTCACTC	3360
189 190	TGCTGCTGTA	AACATAAGCC	AAAACAGTCA	CAACCGAATC	GAAACCGACT	TCGTAATCCT	3420
191 192	TGGCAATCTC	CTTAAGCTCG	AGCTTCACGG	CGGCGGTGTT	GTTGGAGTCT	TTCTCCTTCT	3480
193 194	TAGCGGCGGC	TAAAGCGCTC	TTGAAGAAAG	AGCTTCTCGC	TGACAAAACG	CACCGGTGGA	3540
195 196						TCATCCGGCG	3600
197 198							
199						TCAGGTCCGG	3660
200 201	TGAGTACTTG	TTCGGCGGCC	AGATAAACAA	TAGAGGAGTC	GGTGTTATCG	GTAGCGACGA	3720
202 203	AACTAGTGCT	GCTGATTTCA	TAAGAATCGG	CGAATCCATC	AATGGTGGTG	TCCATCAACA	3780
204 205	GGTTCCGATG	AATTGAAATT	CACAAATTAA	AGAGATCTCT	GCTAATCAAC	GAAGAGACCT	3840

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206 207	TATCAACTGG	ATTTGGTTAA	AGATCGAAGA	TAACCATTGA	CGAGCAGAGC	CAAGTCAAGT	3900
208 209	CAACGAGAGT	GGTGGTGAGA	TATGAAGAAG	CATCCTCGTC	CCACGGTTTA	CATTTCACCA	3960
210 211	AAACCGGTAA	ATTTCCAGGA	AAGGAATCTT	TGTCAGAGAT	CTTTTTTAAA	AAGATATAAC	4020
212					TACCGGAGAC		4080
214 215						CAAACTAGAT	4140
216 217						TTCATATAAA	4200
218 219						TACATTTCTG	4260
220 221						GCTTTATTCA	4320
222 223					AAAAGTAATT		4380
224 225						CTCCTTGTTC	4440 4500
226 227						TAAATTACAT	4560
228 229						TAAAAACAAT TTCTGAATCA	4620
230 231						CACGTCTAAA	4680
232 233						CTGGAAACTG	4740
234 235 236						TCATTTTGTT	4800
237 238					•	TATGAATACA	4860
239 240						ATAAGGTAAA	4920
241 242						TTAAATTAGG	4980
243 244						ATAGCATCAC	5040
245 246						TTTCTTTTAA	5100
247 248						TAATTTTTTT	5160
249 250	ATCTTCTACC	ATCTATTATA	GTTGATAAAT	ATTGTGATAA	ACTTTAGATA	AACACCCAAT	5220
251 252	TGCCAAATAT	TTAATAAATT	TTGTGTACCA	TGCGTTTTTT	TTGGAGAATA	TATATACGTG	5280
253 254	GACAGCATAC	CGTACATATA	TTGTATAAAA	GCTTATAAAA	CATAGATACG	GGTTATATTG	5340
255 256	GTAAGCTATA	AATATATGTA	AACAATAGTA	AGATATTACG	TGTTGTGTCT	AAATATGTGT	5400
257 258	TGCTTTAGAT	ATTATGTATA	TCTAATATAT	TAAAATATCT	TTTATTAACT	AATATATTAT	5460

SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/10/079,035

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Original Text

866

Stop Codon at end of sequence removed - no error

(2) INFORMATION FOR SEQ ID NO:4:

SEQUENCE MISSING ITEM REPORT PATENT APPLICATION US/10/079,035

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<< THERE ARE NO ITEMS MISSING >>

SEQUENCE CORRECTION REPORT PATENT APPLICATION US/10/079,035

DATE: 03/13/2002 TIME: 23:49:56

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Original Text

Corrected Text